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Application

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Priority

JP 26959897 A 19971002

Abstract (en)

[origin: EP0924151A2] A paper web folding and cutting apparatus for a form printing machine comprises a paper web traveling path (17) enabling a continuous paper web (1) to travel at a predetermined traveling speed, a cut portion forming device (20) disposed on the paper web traveling path and adapted to form a cut portion formed in a line of a plurality of cuts (42), having at least one uncut portion (43), at every top and bottom directional dimension of the continuous paper web (1) to be folded, and an oscillatory shooter assembly (3) disposed on the paper web traveling path (17) at a portion downstream side of the cut forming means (20) in a paper web traveling direction. The oscillatory shooter assembly (3) is provided with a counter roller (4) and a nozzle roller (5) at a lower end portion thereof, which are rotated at a peripheral speed faster than the paper web traveling speed, and the nozzle roller (5) is contacted to and separated from the counter roller (4). The said oscillatory shooter assembly (3) performs an oscillatory motion in a bilateral direction in a state that the continuous paper web (1) is interposed between the nozzle roller (5) and the counter roller (4) so as to fold in a zigzag fashion the continuous paper web along the cut portions. According to this structure, the continuous paper web (1) is cut along the cut portions to be cut therefrom by pressing the nozzle roller (5) against the counter roller (4) at a timing when the cut portion to be cut approaches just before an upstream side portion of both the nozzle roller (5) and counter roller (4). <IMAGE>

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Citation (search report)

- [A] US 5076555 A 19911231 - BUNCH JR EARNEST B [US]
- [DX] PATENT ABSTRACTS OF JAPAN vol. 097, no. 007 31 July 1997 (1997-07-31) & EP 0763492 A2 19970319 - MIYAKOSHI PRINTING MACH [JP]

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